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mySAP.com™ Supply Chain Management

Fact Sheet June 2000

mySAP.com™ Supply Chain Management enables collaborative network optimization across the extended **supply chain** to help companies work closely with their partners to excel at customer service and order fulfillment. Built on the flexible and open mySAP.com Internet-Business Framework, the **supply chain management** solution provides a company and its **supply chain** partners with visibility of critical information about inventory levels, orders, forecasts, production plans and other key performance indicators to increase service and reduce investments in inventory.

Internet-Enabled Supply Chain Management Applications

mySAP.com Supply Chain Management seamlessly combines comprehensive tools to integrate information and decisions from the entire **supply chain** into a seamless, automated and optimized information infrastructure. The solution covers all major functional areas, including **demand and supply planning**, **distribution and production planning**, **manufacturing scheduling and execution**, **materials and inventory management**, **production control and maintenance**, **procurement**, **transportation management**, **internal trade logistics** and **warehouse management**.

The solution for advanced planning and optimization within mySAP.com has been installed at 510 customer sites across multiple industries worldwide. The delivery of additional functionality in May 2000 added more collaborative planning and transportation optimization capabilities as well as additional vertical industry functionality, while continuing to provide a portal for interfacing with the external electronic marketplaces. mySAP.com Supply Chain Management can be tailored to meet current and future **supply chain** strategy requirements, thereby providing a flexible, profit-oriented approach to the new Internet economy and the cornerstone for collaborative e-business partnerships.

SAP customers are well prepared to face **supply chain** operation challenges that arise from Internet trading processes. Key advantages that SAP customers have over competitors include easier collaboration and exchange of information with suppliers, customers and partners, including the dynamic procurement of direct material via electronic marketplaces, enabling faster and more flexible fulfillment of customer orders.

SAP delivers mySAP.com Supply Chain Management through personalized, functionally rich portals based on the mySAP.com Workplace. Users gain fast, easy and convenient access, direct or over the Web, to all the internal and external applications, business content and services required for their jobs. These portals empower users to perform effectively in dynamic, fast-paced, market-driven business environments, putting the appropriate information and applications just a keystroke away via an interface that is easy to learn, customize and use.

The role-based mySAP.com Supply Chain Management solution is delivered through the mySAP.com portals, providing users with functionality relevant to their specific job. mySAP.com Supply Chain Management role-based portals are designed for consumers, customers, employees, service partners and suppliers. Also, mySAP.com Supply Chain Management can be linked via the Internet to other vendors' supply chain solutions and electronic marketplaces.

New or enhanced functionality for mySAP.com Supply Chain Management includes the following:

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- **Network Design** enables customers to model, design and redesign their **supply chains** until every element and every link in the **chain** fits to the company's e-business goals. The solution equips companies to project ideal **supply chain** networks based on costs and profits and to make outsourcing decisions.
- **Transportation Planning and Vehicle Scheduling** optimizes shipment schedules, including route determination and carrier selection. The capability to adjust transportation schedules in real time based on incoming orders through the Web optimizes the e-fulfillment process. **Shipment Tendering** enables shippers to include carriers in the bidding process and to exchange detailed information about planned shipments, rates and conditions to come to an agreement. The transportation exchange functionality allows companies to optimize freight movement with trading partners through pooling of less-than-truckload orders. Benefits include more efficient scheduling, lower transportation costs and reduced paperwork.
- **Collaborative Planning, Forecasting and Replenishment (CPFR)** enables buyers and sellers to collaborate on demand and order forecasting and update their plans regularly based on the dynamic exchange of information over the Internet, leading to optimal customer stock levels and reduced supplier inventory. The supplier, manufacturer and customer develop a joint business plan that includes upcoming **promotions** and events to synchronize **supply** plans and forecasts. Direct benefits include lower inventory levels, better customer service, improved cash flow and reduced capital investments, enabling companies to increase their profitability and market share at the same time.
- **Internet-Enabled Vendor-Managed Inventory (VMI)** enhances collaboration with suppliers and customers via the Internet to allow a manufacturer to proactively replenish orders accurately and on time. Based on the actual and projected demand of the customer for the finished goods, the current inventory of the customer and the target days of **supply** for the customer, the manufacturer proactively determines the replenishment orders for the customer in real time via the Internet. This creates value for companies by helping them support new business processes, reduce costs and lead times, increase operational efficiency and productivity, enhance decision support and business partnerships, and improve customer service.
- **Collaborative Supply Planning** enables a manufacturer to use its **supply** network planning model to derive total **supply chain** production requirements and immediately publish the results of the dependent production plan to suppliers. These trading partners collaborate to arrive at an agreed-upon production and purchasing plan. All partners can view the results of this plan via the Web and, if necessary, change the delivery of components and supplies. Benefits include reduced inventory levels and lead times, increased operational efficiency and improved customer service.
- **Advanced Available to Promise** supports dynamic sourcing and commitment of orders, taking into account information about availability across production plants and distribution centers to match **supply** with demand. This process considers materials and capacity availability simultaneously and allows rules-based consideration of alternative materials and sourcing locations. The solution makes possible a commitment to reliable product availability dates at the time a customer places or changes an order over the Internet. This leads to more accurate commitments and more responsive delivery, and provides support for build-to-order manufacturing environments.
- **Feature-Based Forecasting** enables companies to forecast and plan product variance on the feature and options level, such as color and style. The resulting component forecasts drive a postponement strategy that addresses increased product tailoring in the e-commerce space.
- **Model Mix Planning** for configurable products enables production planners to determine the optimum order sequence and scheduling when manufacturing products with a large number of variants. Various constraints are taken into account in tact-based sequencing.
- **Product Planning Table** is for line- and rate-based planning of resources and materials for filling orders. The table enables easy and fast navigation through the **supply chain** and gives a clear overview of production schedules and quantities, materials requirements, available quantities and capacity utilization for multiple lines at multiple locations. Alerts notify planners immediately of critical situations that can be resolved interactively using advanced optimization algorithms.
- **Rapid Planning Matrix**, designed for extremely high-volume mass customization, allows fast material requirements planning and enables companies to respond rapidly to changes in customer orders or product modifications.

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- **Production Planning and Detailed Scheduling** are further enhancements, which include the new planning monitor that enables planners to define score cards to evaluate planning runs and the Purchasing Workbench. SAP completes the spectrum of manufacturing processes to cover discrete, process, repetitive and mixed modes. The Purchasing Workbench integrates direct material procurement over the Internet with manufacturing planning.
- **Handling Unit Management** enables companies to streamline their movement-of-goods and packing processes, and handle recall, backtracing and quality processes based on boxes, pallets or containers. Supporting the EAN128 bar-code standard, radio frequency-based scanning provides speed, efficiency and data reliability.
- **Express Parcel Shipment** enhances the tracking of parcels from the beginning of the logistics process through to parcel delivery services until arrival at the final destination. The key benefit is an overall cost reduction through integration of all involved parties in areas such as label printing and freight cost manifesting.
- **The Foreign Trade Atrium** serves as a portal to provide all relevant information and processes on import/export data, periodic declarations to the authorities, preferences, documentary payments, legal control of shipments, communication and printing as well as support of documentary payments. Uploading and updating customs data and tariffs are eased through the Foreign Trade marketplace.

Industry Features Added to mySAP.com Supply Chain Management

Besides standard functionality utilized across all industries, mySAP.com **Supply Chain Management** delivers tailor-made solutions that cater to industry variants. The Campaign Optimizer, for example, optimizes production campaigns in the chemical, steel and paper industries, and the Feature-Based Optimizer optimizes car sequencing in the automotive industry.

mySAP.com solutions can be test-driven using the SAP™ Internet Demonstration and Evaluation System (IDES-Online) at <http://ides.sap.com>.

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